| Issue Cl | assification |
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| | |

| Application/Control No. | Applicant(s)/Patent under Reexamination | |
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| 10/655,352 | KOYANAGI, YUKIO | |
| Examiner | Art Unit | |
| Khai M. Nauven | 2819 | |

| | | IS | SUEC | LASSIF | ICATI | ON | | | | | | | | |
|---------------|--------------------|-------|---------------------------------------|---------------------------------|--------|----|--------------------------|--------------------|--|--|--|--|--|--|
| ORI | GINAL | | CROSS REFERENCE(S) | | | | | | | | | | | |
| CLASS | SUBCLASS | CLASS | ASS SUBCLASS (ONE SUBCLASS PER BLOCK) | | | | | | | | | | | |
| 341 | 51 | 341 | 61 | | | | | | | | | | | |
| INTERNATIONAL | CLASSIFICATION | 708 | 290 | 313 | | | | | | | | | | |
| H 0 3 M | 7/34 | | | | | | | | | | | | | |
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| | 1 | | | | | | | | | | | | | |
| (Aesistan | nt Examiner) (Date | , | 1. | | \sim | То | Total Claims Allowed: 97 | | | | | | | |
| - t | ments Examiner) (U | | (Pri | LEWKU Mary Examinar M. NK |) | Р | O.G. rint Claim(s) | O.G Print: Fig. | | | | | | |

| | Claims renumbered in the same order as presented by applicant | | | | | | | | | ☐ CPA | | | | | | □ R 1.47 | | | |
|-------|---|--|-------|----------|------------|-------|----------|--|-------|----------|--|-------|----------|--|-------|----------|----------|-------|----------|
| Final | Original | | Final | Original | | Final | Original | | Final | Original | | Final | Original | | Final | Original | | Final | Original |
| | 1 | | 52 | 31 | | 84 | 61 | | 18 | 91 | | | 121 | | | 151 | | | 181 |
| | 2 | | 53 | 32 | | 85 | 62 | | 14 | 92_ | | | 122 | | | 152 | | | .182 |
| 1 | 3 | | 57 | 33 | | 86 | 63 | | 30 | 93 | | | 123 | | | 153 | | | 183 |
| 2 | 4 | | 58 | 34 | | 87. | 64 | | 27 | 94 | | | 124 | | | 154 | | | 184 |
| | 5 | | 59 | 35 | | | 65 | | 38 | 95 | | | 125 | | | 155 | | | 185 |
| 3 | 6 | | 60 | 36 | | 17 | 66 | | 25 | 96 | | | 126 | | | 156 | | | 186 |
| 4 | 7 | | 64 | 37 | | 11 | 67 | | 35 | 97 | | | 127 | | | 157 | | | 187 |
| | 8 | | 65 | 38 | | 12 | 68 | | 42 | 98 | | | 128 | | | 158 | | | 188 |
| 5 | œ | | 66 | 39 | | 13 | 69 | | 46 | 99 | | | 129 | | | 159 | | | 189 |
| 6 | 10 | | 69 | 40 | | 29 | 70 | | 92 | 100 | | | 130 | | | 160 | <u> </u> | | 190 |
| 7 | 11 | | 71 | 41 | | 26 | 71 | | 19 | 101 | | | 131 | | | 161 | | | 191 |
| 8 | 12 | | 15 | 42 | | 37 | 72 | | 93 | 102 | | • | 132 | | | 162 | | | 192 |
| 9 | 13 | | 28 | 43 | | 24 | 73 | | 94 | 103 | | | 133 | | | 163 | | | 193 |
| 10 | 14 | | 36 | 44 | | 34 | 74 | | 95 | 104 | | | 134 | | | 164 | | | 194 |
| 20 | 15 | | 40 | 45 | | 41 | 75 | | 96 | 105 | | | 135 | | | 165 | | | 195 |
| 21 | 16 | | 44 | 46 | | 45 | 76 | | 97 | 106 | | | 136 | | | 166 | | | 196 |
| 22 | 17 | | | 47 | | 88 | 77 | | | 107 | | | 137 | | | 167 | | | 197 |
| 23 | 18 | | 16 | . 48 | | 89 | 78 | | | 108 | | | 138 | | | 168 | | | 198 |
| 31 | 19 | | | 49 | | 90 | 79 | | | 109 | | | 139 | | | 169 | | | 199 |
| 32 | 20 | | 73 | 50 | | 91 | 80 | | | 110 | | | 140 | | | 170 | | | 200 |
| 33 | 21 | | 74 | 51 | | 56 | 81 | | | 111 | | | 141 | | | 171 | | | 201 |
| 39 | 22 | | 75 | 52_ | | 54 | 82 | | | 112 | | | 142 | | | 172 | | | 202 |
| 43 | 23 | | 76 | 53 | | 55 | 83 | | | 113 | | | 143 | | | 173 | | | 203 |
| | 24 | | 77 | 54 | 63 | -85 | 84 | | | 114 | | | 144 | | | 174 | | | 204 |
| | 25 | | 78 | 55_ | <i>G</i> 2 | 84 | 85 | | | 115 | | | 145 | | | 175 | | | 205 |
| 47 | 26 | | 79 | 56_ | | 68 | 86 | | | 116 | | | 146 | | | 176 | | | 206 |
| 48 | 27 | | 80 | 57 | | 61 | 87 | | | 117 | | | 147 | | | 177 | | | 207 |
| 49 | 28 | | 81 | 58 | | 67 | 88 | | | 118 | | | 148 | | | 178 | | | 208 |
| 50 | 29 | | 82 | -59 | | 70 | 89 | | | 119 | | | 149 | | | 179 | | | 209 |
| 51 | 30 | | 83 | 60 | | 72 | 90 | | | 120 | | | 150 | | | 180 | | L | 210 |



| Application/Control No. |
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10/655,352 Examiner

Khai M. Nguyen

Applicant(s)/Patent under Reexamination

KOYANAGI, YUKIO

Art Unit 2819

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|-----------------------------|------|-----|-----|-------------------|-------|-----------------------------------|--------|--------|--------------------------|--------------------|--|--|--|--|--|--|--|
| | | | ORI | GINAL | | | | CROS | S REFEREN | CE(S) | | | | | | | |
| | CLA: | ss | | SUBCLASS | CLASS | SUBCLASS (ONE SUBCLASS PER BLOCK) | | | | | | | | | | | |
| | 34 | 1 | | 51 | 341 | 61 | | | | | | | | | | | |
| 18 | ITER | NAT | ONA | CLASSIFICATION | 708 | 290 | 313 | | | | | | | | | | |
| н | 0 | 3 | М | 7/34 | | | | | | | | | | | | | |
| н о з ^М 7/38 | | | | | | | | | | | | | | | | | |
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| | | | | 1 | | | | | | | | | | | | | |
| (Assistant Examiner) (Date) | | | | | | Nzuy KHAI | enkhok |) 2/9/ | Total Claims Allowed: 97 | | | | | | | | |
| | (Le | | | ments Examiner) (| | | M. NGU | | O G Print Claim(s) | O.G. Print Fig. | | | | | | | |

| Claims renumbered in the same order as presented by applicant | | | | | | | | | | | □ СРА | | | ☐ T.D. | | | ☐ R.1.47 | | |
|---|----------|--|-------|----------|--|-------|----------|----------|-------|----------|-------|-------|----------|--------|-------|----------|----------|----------|----------|
| Final | Original | | Final | Original | | Final | Original | | Final | Original | | Final | Original | | Final | Original | | Final | Original |
| | 1 | | 52 | 31 | | 84 | 61 | | 18 | 91 | | | 121 | | | 151 | | | 181 |
| | 2 | | 53 | 32 | | 85 | 62 | | 14 | 92 | | | 122 | | | 152 | | | 182 |
| 1 | 3 | | 57 | 33 | | 86_ | 63 | | 30 | 93 | | | 123 | | | 153 | | | 183 |
| 2 | 4 | | 58 | 34 | | 87 | 64 | | 27 | 94 | | | 124 | | | 154 | | | 184 |
| | 5 | | 59 | 35 | | | 65 | | 38 | 95 | | | 125 | | | 155 | | | 185 |
| 3 | 6 | | 60 | 36 | | 17 | 66 | | 25 | 96 | | | 126 | | | 156 | | | 186 |
| 4 | 7 | | 64 | 37 | | 11 | 67 | | 35 | 97 | | | 127 | | | 157 | | <u> </u> | 187 |
| | 8 | | 65 | 38 | | 12 | 68 | | 42 | 98 | | | 128 | | | 158 | | | 188 |
| 5 | 9 | | 66 | 39 | | 13 | 69 | | 46 | 99 | | | 129 | | | 159 | | | 189 |
| 6 | 10 | | 69 | 40 | | 29 | 70 | | 92 | 100 | | | 130 | | | 160 | | | 190 |
| 7 | 11 | | 71 | 41 | | 26 | 71 | | 19 | 101 | | | 131 | | | 161 | | | 191 |
| 8 | 12 | | 15 | 42 | | 37 | 72 | | 93 | 102 | | | 132 | | | 162 | | | 192 |
| 9 | 13 | | 28 | 43 | | 24 | 73 | | 94 | 103 | | | 133 | | | 163 | | | 193 |
| 10 | 14 | | 36 | 44 | | 34 | 74 | | 95 | 104 | | | 134 | | | 164 | | | 194 |
| 20 | 15 | | 40 | 45 | | 41 | 75 | | 96 | 105 | | | 135 | | | 165 | | | 195 |
| 21 | 16 | | 44 | 46 | | 45 | 76 | | 97 | 106 | | | 136 | | | 166 | | | 196 |
| 22 | 17 | | | 47 | | 88 | 77 | | | 107 | | | · 137 | | | 167 | | | 197 |
| 23 | 18 | | 16 | 48 | | 89 | 78 | | | 108 | | | 138 | | | 168 | | | 198 |
| 31 | 19 | | | 49 | | 90 | 79 | | | 109 | | | 139 | | | 169 | | | 199 |
| 32 | 20 | | 73 | 50 | | 91 | 80 | | | 110 | | | 140 | | | 170 | | | 200 |
| 33 | 21 | | 74 | 51 | | 56 | · 81 | | | 111 | | | 141 | | | 171 | | | 201 |
| 39 | 22 | | 75 | 52 | | 54 | 82 | | | 112 | | | 142 | | - | 172 | | | 202 |
| 43 | 23 | | 76 | 53 | | 55 | 83 | | | 113 | | | 143 | | | 173 | | | 203 |
| | 24 | | 77 | 54 | | 63 | 84 | | | 114 | | _ | 144 | | | 174 | | | 204 |
| | 25 | | 78 | 55 | | 62 | 85 | | | 115 | | | 145 | | | 175 | | | 205 |
| 47 | 26 | | 79 | 56 | | 68 | 86 |] | | 116 | | | 146 | | | 176 | | | 206 |
| 48 | 27 | | 80 | 57 | | 61 | 87 |] | | 117 | | | 147 | | | 177 | | | 207 |
| 49 | 28 | | 81 | 58 | | 67 | 88 | | | 118 | | | 148 | | | 178 | | | 208 |
| 50 | 29 | | 82 | 59 | | 70 | 89 | | | 119 | | | 149 | | | 179 | | | 209 |
| 51 | 30 | | 83 | 60 | | 72 | 90 | | | 120 | | | 150 | | | 180 | | | 210 |